FDOT Civil 3D Traffic Plans

FDOT Signs

(FDOT Signs)

2014 Design Training Expo

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FDOT

Application Layout

Program Name & Version

Main Menu

Sign Assembly file setup and editing

Properties for panels, posts, location, and labeling specs. & placement details

Specifications, block preview & details

FDOT Sign Assembly Tool 1.02.12

File   Settings

Assembly: ☑ Highlight

Panel Properties | Post Properties | Assembly Location | Labels

Panel Layout

Set Panel   Quick Save

Select Panel

☐ Use Custom Blocks

Application:

Panel Class:

Panel Name:

Back

Front

☐ Search All Panel Label Names

Show/Update Block Preview

Panel Size:

State:

Panel Area:

☐ Main Panel

Preview

☐ Custom Size:

Total Area:

☐ Custom Area:

Panel Custom Label Fields

Field 1:

Field 2:

Field 3:

Field 4:

Field 5:

Field 6:

Read-Only Mode : No Assembly Selected

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Application Layout

Clear Panel- Used to clear panel properties. This button toggles with Set Panel.
Set Panel- Used to enable Panel properties

Assembly Name- A three digit number is added at the end of the name

Quick Save – Allows a save to the sign assembly before drawing insertion

Custom Blocks – Selected for use of custom made blocks such as those made in Guidsign

Panel Layout – Defines Panel(s) orientation, Front and /or Back

Select Panel Properties- Used to define the properties of the panel(s)

Block Preview – Shows Selected panel or Multi panels combined

Main Panel – Used to identify the main panel(s)

Preview – Displays a preview of all panels and lists combined panels area in the assembly as it will be drawn.

Custom Block Definitions – Size and area of custom made blocks such as those made in Guidsign

Custom Field Labels – Used for entering variable information like speeds route numbers

FDOT Sign Assembly Tool 1.02.12

File   Settings

Assembly: Sign-001   ☑ Highlight

Panel Properties | Post Properties | Assembly Location | Labels

Panel Layout

Clear Panel   Quick Save

Select Panel   ☐ Use Custom Blocks

Application: Conventional
Panel Class: School(S)
Panel Name: S1-1

☐ Search All Panel Label Names

School - watch for children

Panel Size: 36"x36"
State: Proposed

Panel Area: 9.00

☑ Main Panel

☐ Custom Size:
☐ Custom Area:

Back
Front

Preview

Total Area: 9.00

Show/Update Block Preview

Panel Custom Label Fields

Field 1:
Field 2:
Field 3:
Field 4:
Field 5:
Field 6:

OK

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Post Properties

Pay Item – Can be Auto-Selected based on Select Post properties of manually selected from list

Select Post – Define the properties needed to identify the proper pay item

Auto-Select Pay Item – Will select the appropriate pay item based on post properties

Post Block Preview Shows the block for the associated post

Size and Total Area – Shows total sign panel areas for Multi panel sign assemblies

Assembly: Sign-001   ☑ Highlight

Panel Properties | **Post Properties** | Assembly Location | Labels

Pay Item: SINGLE POST SIGN [1 SIDED], FURNISH and INSTALL GROUND MOUNT, UP TO 12 SF

Select Post

Installation: Ground Mount

Mounting: Single or Multi-Post

State: Proposed

Sign Type: Furnish and Install Ground Mount

Options: 1 Sided

Size:

Area:

Total Area: 9.00

Auto-Select Pay Item
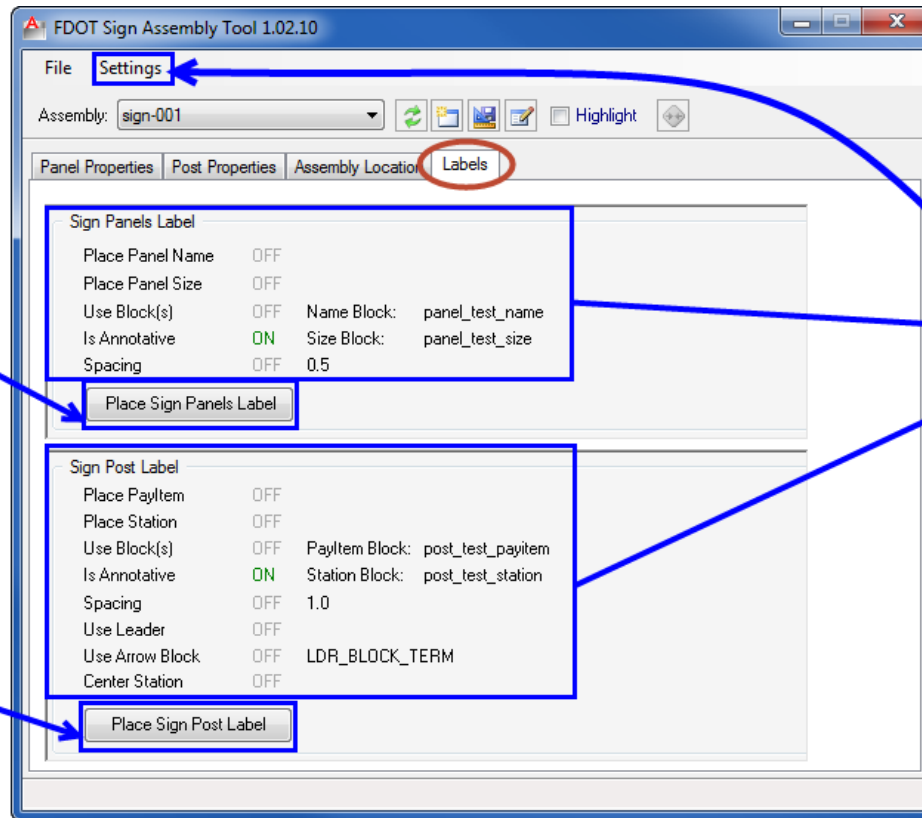
Assembly Location

If inserting at a station and offset you can either type in the station and offset or select from drawing

Rotation- The default is Relative but you can select Dynamic- 2 point or enter an absolute angle

Allows user to specify what type of object to use to insert signage (Alignment, Line, Polyline)

If using Alignment for placement you can either select alignments from list or select it from the drawing

FDOT Sign Assembly Tool 1.02.12

File   Settings

Assembly: Sign-001

☑ Highlight

Panel Properties | Post Properties | Assembly Location | Labels

☑ Place Along Object or Alignment

☑ Use Alignment

Select Object from Drawing

Select Alignment from Drawin

CLSR441
CrossStreet C

Select Sta/Offset

☑ Station   89+01.91
Beg. Station
☑ Offset   -83.85

Rotation
Relative ▼
Angle 0

Rotation
Relative ▼
Absolute
Dynamic 2 Point
Relative
Angle

Place Sign Panels   Place Sign Post

Place Sign Panels & Posts –
When all of the placement properties are defined the place sign panels and sign post buttons will allow the user to place them in the drawing independently

New this year is the combination of the Place Sign and Post Panels into one Panel.

Labels Tab

Click to place Sign Panels Label

Click to place Sign Post Label

Current User Settings are displayed and can be customized in User Settings

FDOT Sign Assembly Tool 1.02.10

File Settings

Assembly: sign-001   Highlight

Panel Properties | Post Properties | Assembly Location | Labels

Sign Panels Label
Place Panel Name   OFF
Place Panel Size   OFF
Use Block(s)   OFF   Name Block: panel_test_name
Is Annotative   ON   Size Block: panel_test_size
Spacing   OFF   0.5

Place Sign Panels Label

Sign Post Label
Place PayItem   OFF
Place Station   OFF
Use Block(s)   OFF   PayItem Block: post_test_payitem
Is Annotative   ON   Station Block: post_test_station
Spacing   OFF   1.0
Use Leader   OFF
Use Arrow Block   OFF   LDR_BLOCK_TERM
Center Station   OFF

Place Sign Post Label

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User Preferences
State Preferences

New changes on the State Preferences are the removed control of the Sign Panel Overrides. It is grayed out and is inactive. The control has been switched to the FDOT.Signs.XML file for easier control of default Layers.

The Sign Post Over Ride is still active and allows you to select a different Layer other than the default.

User Preferences
Panel Label Preferences

Designate blocks used for labeling

Allows you to select options for labeling Panels.

FDOT Sign Assembly Tool - User Preferences

Sign Panel Label Preferences

☑ Name   panel_test_name   Select Block...   ☐ Use Block(s)

☑ Size   panel_test_size   Select Block...

Layer: TextLabel

Spacing: 0.5

Block Library: C:\FDOT2014.C3D\APPS\FDOTSigns\panelblocks.dw   Browse...

State Prefs | Panel Label Prefs | Post Label Prefs | General Prefs

Ok   Save   Cancel

User Preferences
Post Label Preferences

Allows you to select options for labeling Posts

Designate blocks used for labeling

FDOT Sign Assembly Tool - User Preferences

Sign Post Label Preferences

☑ Pay Item   post_test_payitem   Select Block,,,   ☐ Use Block(s)

☑ Station   post_test_station   Select Block...

Layer: TextLabel

Spacing: 1.0

Block Library: C:\FDOT2014.C3D\Data\Blocks\postblocks.dwg   Browse...

Leader Layer: TextLabel

☑ Leader Line   LDR_BLOCK_TERM   Select Block...   ☐ Use Arrow Block

☐ Center Station Label On Leader Line

State Prefs | Panel Label Prefs | Post Label Prefs | General Prefs

Ok   Save   Cancel

Controls the leader options

Controls the arrow head options